Accelerate Your Research
Flexible Nitride MOCVD with Simplified Operation

- Based on Proven and Reliable SR Series Design
- Tailored for Research Environments, Incorporating Established SR4000HT Capabilities in a Smaller Package
Advantages
- High Growth Rates
- Carbon Background Concentration Control and Flexibility
- High InGaN Growth Temperature
- High Al Content AlGaN

Applications
HEMT, PN Diodes, Lasers, RGB to UV LED

SR4000HT-RR Specifications

<table>
<thead>
<tr>
<th>Reactor type</th>
<th>Face up, horizontal with rotation</th>
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</thead>
<tbody>
<tr>
<td>Wafer size</td>
<td>2” x 3 or 4” x 1</td>
</tr>
<tr>
<td>Heating system</td>
<td>Two zone, up to 1350 °C</td>
</tr>
<tr>
<td>Growth pressure</td>
<td>10 kPa up to 100 kPa</td>
</tr>
<tr>
<td>Size</td>
<td>One cabinet only for manifold, reactor and exhaust</td>
</tr>
<tr>
<td>Sources</td>
<td>Eight (8) metalorganic Two (2) hydride lines</td>
</tr>
</tbody>
</table>

About Us
Taiyo Nippon Sanso is an industrial gas manufacturer established in 1910. As an innovator in the compound semiconductor industry, Taiyo Nippon Sanso was the first company to introduce commercial MOCVD systems, in 1983. Taiyo Nippon Sanso is uniquely qualified to provide total solutions for compound semiconductor fabrication, with MOCVD equipment, gas handling and purification equipment, exhaust abatement solutions, and custom piping and installation services. Taiyo Nippon Sanso has delivered a large quantity of MOCVD equipment worldwide for numerous applications, ranging from R&D to mass production. Our technology is highly regarded worldwide for its exceptionally stable performance.

Visit our website
www.MOCVD.jp

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